

**SECTION 22 40 00
DRINKING FOUNTAINS (EXTERIOR)**

PART 1 GENERAL

1.01 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design; 2010.
- B. ASSE 1011 - Performance Requirements for Hose Connection Vacuum Breakers; 2023.
- C. ASTM A74 - Standard Specification for Cast Iron Soil Pipe and Fittings; 2021.
- D. NSF 61 - Drinking Water System Components - Health Effects; 2024.
- E. NSF 372 - Drinking Water System Components - Lead Content; 2024.

1.02 SECTION INCLUDES

- A. Exterior stand-alone Drinking fountains and bottle filler

1.03 RELATED REQUIREMENTS

- A. Section 01 10 00 - Summary: NYCHA-furnished fixtures.
- B. Section 13 16 00 – Exterior Spray Showers
- C. Section 22 00 00 - Plumbing
- D. Section 22 10 06 – Exterior Hose Bibbs
- E. Section 26 00 00 - Electrical

1.04 1.03 REFERENCE STANDARDS

- A. [ADA Standards](#) - Americans with Disabilities Act (ADA) Standards for Accessible Design; most current version.
- B. [NSF 61](#) - Drinking Water System Components - Health Effects; most current version.
- C. [NSF 372](#) - Drinking Water System Components - Lead Content; most current version.
- D. ASSE 1011 - Hose Connection Vacuum Breakers; American Society of Sanitary Engineering; most current version.

1.05 SUBMITTALS

- A. See Section 01 33 00 – Submittal Procedures, for submittal procedures.
- B. Product Data: Provide catalog illustrations of fixtures, sizes, rough-in dimensions, utility sizes, trim, and finishes.
- C. Manufacturer's Instructions: Indicate installation methods and procedures.
- D. Warranty: Submit manufacturer warranty and ensure forms have been completed in NYCHA's name and registered with manufacturer.

1.06 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing the type of products specified in this section, with minimum three years of documented experience.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Accept fixtures on site in factory packaging. Inspect for damage.

- B. Protect installed fixtures from damage by securing areas and by leaving factory packaging in place to protect fixtures and prevent use.

1.08 WARRANTY

- A. See Section 01 78 00 - Closeout Submittals, for additional warranty requirements.

PART 2 PRODUCTS

2.01 GENERAL

- A. Potable Water Systems: Provide plumbing fittings that comply with [NSF 61](#) and [NSF 372](#) for maximum lead content; label pipe and fittings. All plumbing for this work shall be performed under the supervision of a Licensed Plumber. All work shall be performed in accordance with the most current applicable New York City Codes and must be appropriately inspected. The Contractor shall be held completely responsible that all work is in compliance.

2.02 DRINKING FOUNTAINS

- A. Drinking Fountain Manufacturer shall be Most Dependable Fountains, Inc. 5705 Commander Drive, Arlington, TN 38002-0587, phone 901.867.0039, www.mostdependable.com
Representative: Bob Beachum, phone 901.237.9265, email robert@beachumrec.com
- B. Model Number 10145-SM-NYC (with optional 10" SS Surface Carrier) or equal. Color shall be: XXXX.
- C. Standard Pedestal shall be 304 schedule 10 stainless steel.
- D. Receptor Bowl shall be 18 gauge electro-polished stainless steel bowl. Bowl overlaps pedestal, preventing buildup of residue in visual drinking area.
- E. Bubbler Head shall be stainless steel anti-squirt head (weighing a pound and a half) mounted with a lock nut and washer to prevent tampering. Lock nut pin holds bubbler in locked position to prevent twisting or turning. The Most Dependable Fountain bubbler head has a unique design that features a steady stream trajectory and a built in natural shield from contamination.
- F. The Push Bar shall be 304 stainless steel with circumference exceeding 8.6" Mushroom style push bar overlaps and prevents sand and other objects from sticking the push bar in the ON position. Stainless steel bubbler housing standard.
- G. The Control Valve requires less than 5 lbs to operate. Non-cartridge O-ring delivers steady stream of water through flow regulator. No adjustment is necessary. This valve design is to operate and function at 30 to 80 PSI.
- H. The Flow Regulator is designed to operate and function at 30 to 80 PSI.
- I. Water Supply (lead free) in this unit uses a maintenance free reinforced nylon-braided tubing that is NSF 61 certified. This tubing is not plastic. It is supplied with a 1/2" MIP threaded inlet with stainless steel strainer. Union fittings at every connection. Supply line stops above grade. Water Filter is standard on this model.
- J. The finish on this unit shall be over-baked powder coat. Stainless steel models are powder coated for added protection.
- K. The installation shall surface mount, designed to be anchored on top of an existing surface, with anchor bolts through a mounting plate that is welded to the fountain. Surface mount fountains provide an access door with vandal resistant stainless steel screws. Surface mount carrier recommended for all surface mount installations. Access door standard on all pedestal fountains.
- L. Winterization shall be performed by shutting of the water supply and draining down. The 3" drain line from the water fountain to the drainage structure shall be provided and installed by the Contractor. Cast Iron Pipe shall be in accordance ASTM A74. Pipe lengths shall not

exceed twenty (20) feet. Joints for Cast Iron Pipe shall be "Push-on-Joints". Sand used for backfill under pipes and structures shall comply with ASTM designation C-33.

- M. All valves and controls (Plumbing Components) shall be as per the Plumbing Section, 22 00 00.
- N. The shipping weight shall be 235 lbs.

PART 3 EXECUTION

3.01 3.01 EXAMINATION

- A. Verify that exterior concrete footings are prepared and ready for installation of fixtures.
- B. Verify that electric power is available and of the correct characteristics.

3.02 3.02 PREPARATION

- A. A. Rough-in fixture piping connections in accordance with minimum sizes indicated on drawings.

3.03 3.03 INSTALLATION

- A. A. Install each fixture with all factory provided elements.
- B. B. Install components level and plumb.

3.04 ADJUSTING

- A. Adjust valves for intended water flow rate to fixtures without splashing, noise, or overflow.

3.05 CLEANING

- A. Clean plumbing fixtures and equipment.
- B.

3.06 PROTECTION

- A. Protect installed products from damage due to subsequent construction operations.
- B. Repair or replace damaged products before Date of Substantial Completion.

3.07 SCHEDULES

- A. Fixture Heights: Install fixtures to heights above finished grade as indicated below.
 - 1. 1. Drinking Fountain:
 - a. Bottle Filler: 40 inches to bottom of filler niche.
 - b. Standard Adult: 40 inches to top of basin rim.
 - c. Accessible: 32 inches to top of basin rim.
- B. Fixture Rough-In
 - 1. 1. Drinking Fountain:
 - a. Cold Water: 1/2 Inch.
 - b. Waste: 1-1/4 Inch.

END OF SECTION 22 40 00 22 40 00